

An object of the invention is thus to configure a headset of the kind disclosed in the preamble whereby the said disadvantages are avoided. This is achieved by building the amplification and adjustment circuits into the capsule, that the manual operation elements are placed on the capsule, and that the switching elements consist of a multi-position switch, which is placed in the capsule in such a manner that it is accessible for operation.

It is hereby achieved that the separate connection box can be completely dispensed with, at the same time that both the setting of the headset, so that it is compatible with the relevant host telephone, and the daily operation of the headset can be effected by means of the operating elements which are placed on the headset's capsule.

RA ~~With an expedient embodiment of the headset as disclosed in claim 2,~~ ^{The} the number of manual operating elements which must be placed on the headset can be limited to a minimum, in that an operating element which is used to suppress or disconnect the signal from the headset microphone, and an adjustment element for the level of volume from the headset's receiver, can at the same time be used for the setting of the headset's amplification and adjustment circuits. It is hereby achieved that all necessary switching and operation functions can be realised in connection with a headset which has a capsule of relatively limited size, in that the operation elements have several different functions. ~~As disclosed in claim 3,~~ ^{This} this can be expediently effected while making use of a micro-controller which is included in the headset and which controls the circuits in question.

RA ~~As characterised in claim 4,~~ ^{The} the headset can also include a filter circuit in the receive signal path, this filter circuit accentuating that frequency band in which human speech normally takes place. This filter circuit will thus be able to make the speech sound received easier to understand for the user, especially in situations with background noise or poor transmission conditions for the telephone signal. ~~As disclosed in claim 5,~~ ^{It} it can be expedient for this filter circuit to be coupled in by the user by means of the manual operating elements, so that the user, depending on the actual situation and personal preferences, can freely choose whether the filter is to be coupled in or de-coupled.

RA 5 ~~As characterised in claim 6, the~~ ^{The} receive signal path can also include a voice-activated switch which reduces the amplification in the receive signal path when the signal received lies below a given level, e.g. corresponding to the level of normal speech. The background noise from the telephone line will hereby be reduced when no speech signal is being received. According to ^{an} ~~the~~ embodiment ~~disclosed in claim 7,~~ whether this circuit is to be coupled or de-coupled can also be freely chosen by the user.

RA 10 ~~Finally, as characterised in claim 8, the~~ ^{The} receive signal path can be provided with a detector which can detect whether the headset is in use, and which after a given period of time reduces the amplification in the output amplifier and hereby removes the background noise from the telephone line. When a speech signal appears again in the receive signal path, the amplification is correspondingly brought up to a normal level again.

RA 15 ~~As disclosed in claim 9, with~~ ^{With} an expedient embodiment, the transmission signal path can also comprise a voice-activated switch which reduces the amplification in the transmission signal path when the signal in the transmission signal path lies below a given level, e.g. corresponding to the level of normal speech. The background noise will hereby be reduced when no speech signal is being transmitted.

RA 25 ~~Finally, according to claim 10, the headset can include a signal generator which can cause audible signals, e.g. with easily-identifiable sound patterns, to inform the user of certain conditions, such as e.g. that the battery in the headset must be changed, or that the headset has been brought into a certain state, such as e.g. that the microphone has been disconnected or that the filter circuit has been coupled or de-coupled.~~

In the following, the invention will be explained in more detail with reference to the drawings, where

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fig. 1 shows a headset according to the invention, seen in perspective at an angle from the front and from the right-hand side,

fig. 2 shows the headset shown in fig. 1 seen directly from the front,